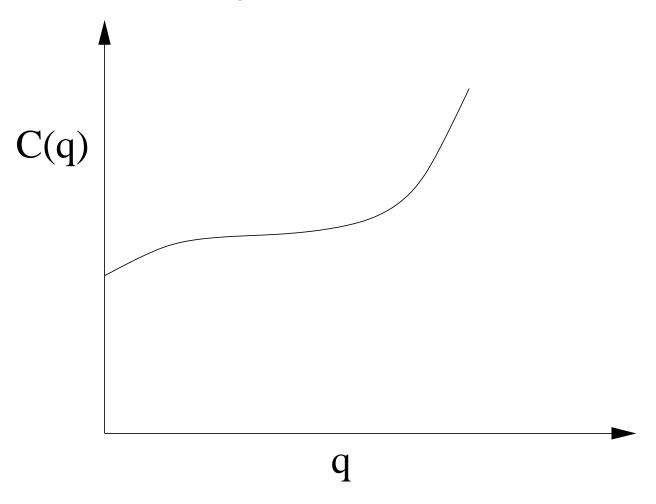
Chapter 4.4: Applications to Marginality Calculus I

College of the Atlantic. Fall 2016



- 1. Sketch the marginal cost curve, C'(q). Indicate the value of q that minimizes marginal cost.
- 2. Sketch the average cost, a(q). Indicate the value of q that minimizes average cost. Is it the same q value that minimizes marginal cost?
- 3. Indicate the q value that maximizes profit. (See the graph on the other side of the page.)
- 4. Suppose that fixed costs increase, while everything else remains the same. How does this affect the q that maximizes profit? Does this answer make sense?
- 5. Suppose that the revenue per item increases (and that the revenue curve remains linear). How does this affect the q that maximizes profit? Does this answer make sense?

